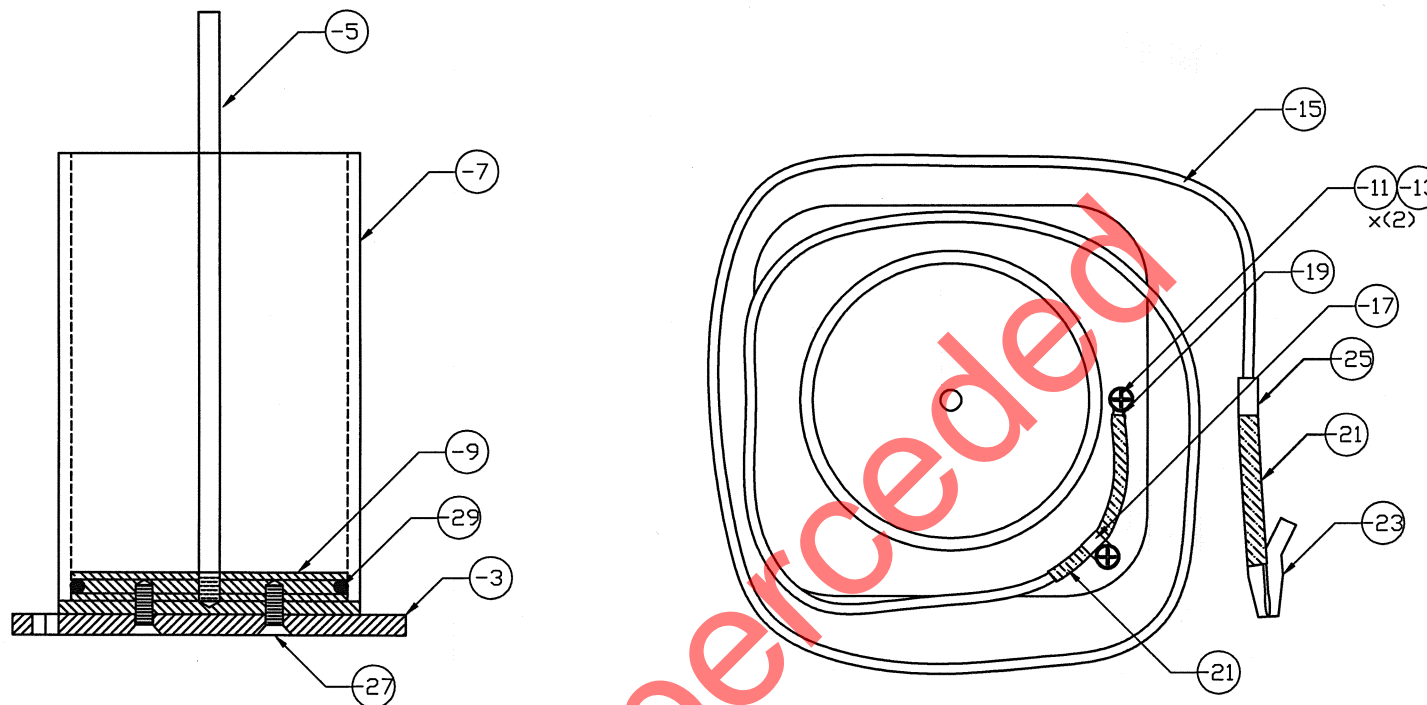


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
B	19-575	ITEM -23 WAS #BU-654-2 BLACK IS #BU-654-0 BLACK	2/12/2019	PK	PK



**UNDER REVIEW**  
URF 19-615 19.02.28 (KPT)

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-3	1	BASE PLATE	6061	3/8 x 6 x 6	2
			-5	1	ROD	6061	Ø3/8 x 9	3
			-7	1	TUBE	CLEAR ACRYLIC	Ø4-1/2 O.D. x 4-1/8 I.D. x 6-3/4	4
			-9	1	PLATE	6061	Ø4-1/2 x 3/4	5
		B/O	-11	2	SCREW		M5 x 8mm McMaster-Carr #92005A318	1
		B/O	-13	2	FLAT WASHER		M5 McMaster-Carr #91166A240	1
		B/O	-15	1	SINGLE CONDUCTOR WIRE	14 ga.	14ga. x 12 ft. BLACK McMaster-Carr #9192K1	1
		B/O	-17	1	LOOP CLAMP	PLASTIC	FOR 1/4in. O.D. WHITE McMaster-Carr #8876T13	1
		B/O	-19	1	RING TERMINAL		FOR 16-14ga. McMaster-Carr #7113K341	1
		B/O	-21	2	HEAT SHRINK		CHEMICAL RESISTANT BLACK McMaster-Carr #7132K111	1
		B/O	-23	1	SAFETY ALLIGATOR CLIP	NYLON HOUSING	MUELLER ELECTRIC #BU-654-0 BLACK PK.	1
		B/O	-25	1	BANANA PLUG	NYLON HOUSING	JOHNSON COMPONENTS #108-0303-001 BLACK	1
		B/O	-27	2	FLAT HEAD MACHINE SCREW	STEEL	1/4-28 UNF x 3/4 McMaster-Carr #90273A559	1
		B/O	-29	1	VITON FLUOROELASTOMER O-RING		4.145 O.D. x 3.725 I.D. x .210 McMaster-Carr #AS568A-343	1

**RED BARN MACHINE**

**TITLE**  
FUEL SUMP DRAIN TOOL

**DWG NO.** RBE000-117

**REV**  
B

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ON:  
DECIMALS  
.XXX ± .005  
.XX ± .01  
.X ± .1  
FRACTIONS ± 1/32  
ANGLES ± 5°

**DRAWN BY:** CLOUGH  
**APPROVED:** PK *[Signature]*  
**HEAT TREAT:**  
**FINISH:**

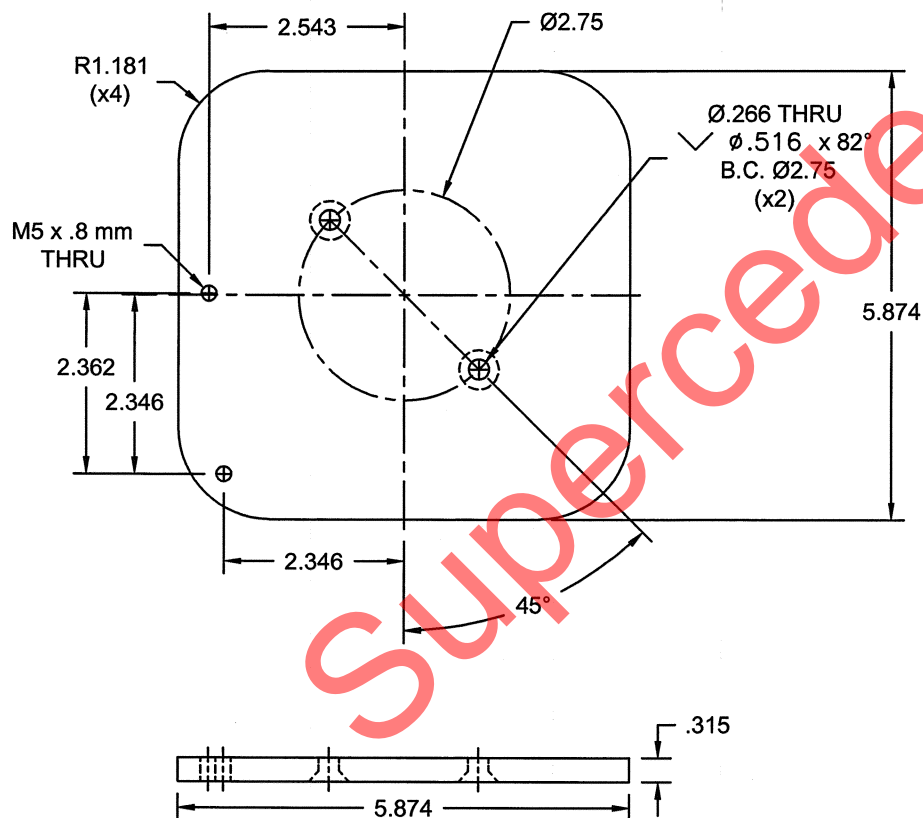
UNLESS OTHERWISE SPECIFIED  
1. BREAK ALL SHARP EDGES  
.015 x 45° PR .015 R  
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

**SPEC:**  
**USED ON MODEL:**  
EC145

**SCALE** NTS **DATE** 6-24-10 **SHEET** 1 of 5

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



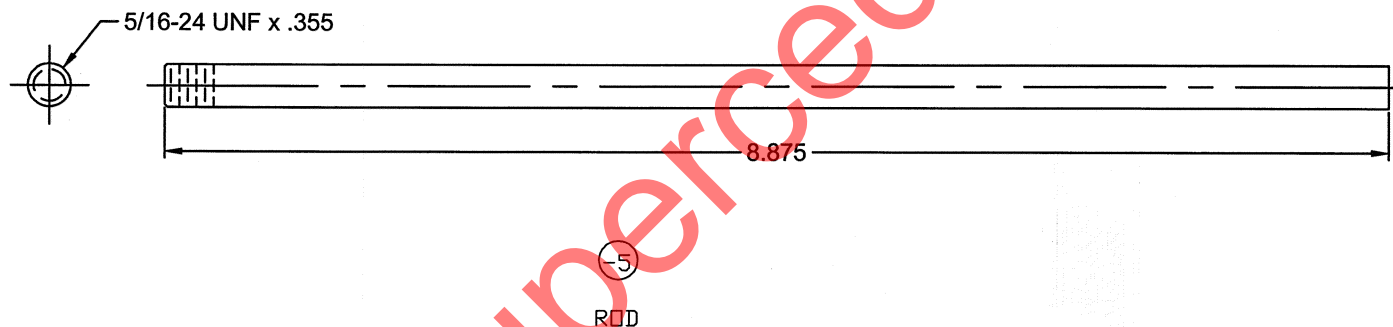
(-3)  
BASE PLATE

**UNDER REVIEW**  
URF 19-615 19.02.28 (KPT)

RED BARN MACHINE	
TITLE FUEL SUMP DRAIN TOOL	
DWG NO. RBE000-117-3	REV B
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: CLOUGH APPROVED: PK B-Mod HEAT TREAT: ANODIZE CLEAR FINISH: SPEC MIL-A-8625F, TYPE II, CLEAR II USED ON MODEL: EC145	
SCALE NTS	DATE 6-24-10 SHEET 2 of 5

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



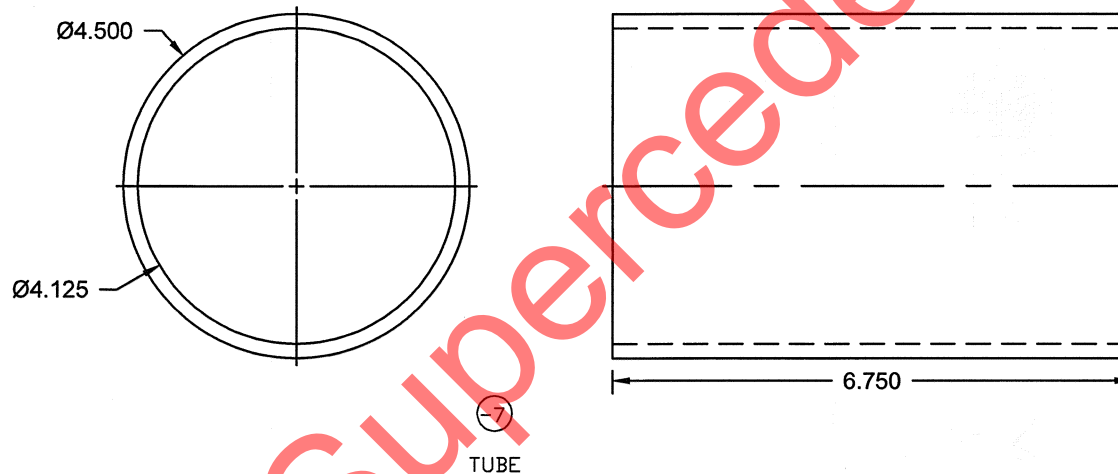
**UNDER REVIEW**

URF 19-615 19.02.28 (KPT)


<b>RED BARN MACHINE</b>	
TITLE FUEL SUMP DRAIN TOOL	
DWG NO. RBE000-117-5	REV B
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: CLOUGH APPROVED: PK [Signature] HEAT TREAT FINISH ANODIZE CLEAR SPEC MIL-A-8625F, TYPE II, CLEAR II USED ON MODEL EC145	
SCALE NTS	DATE 6-24-10
SHEET 3 of 5	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL

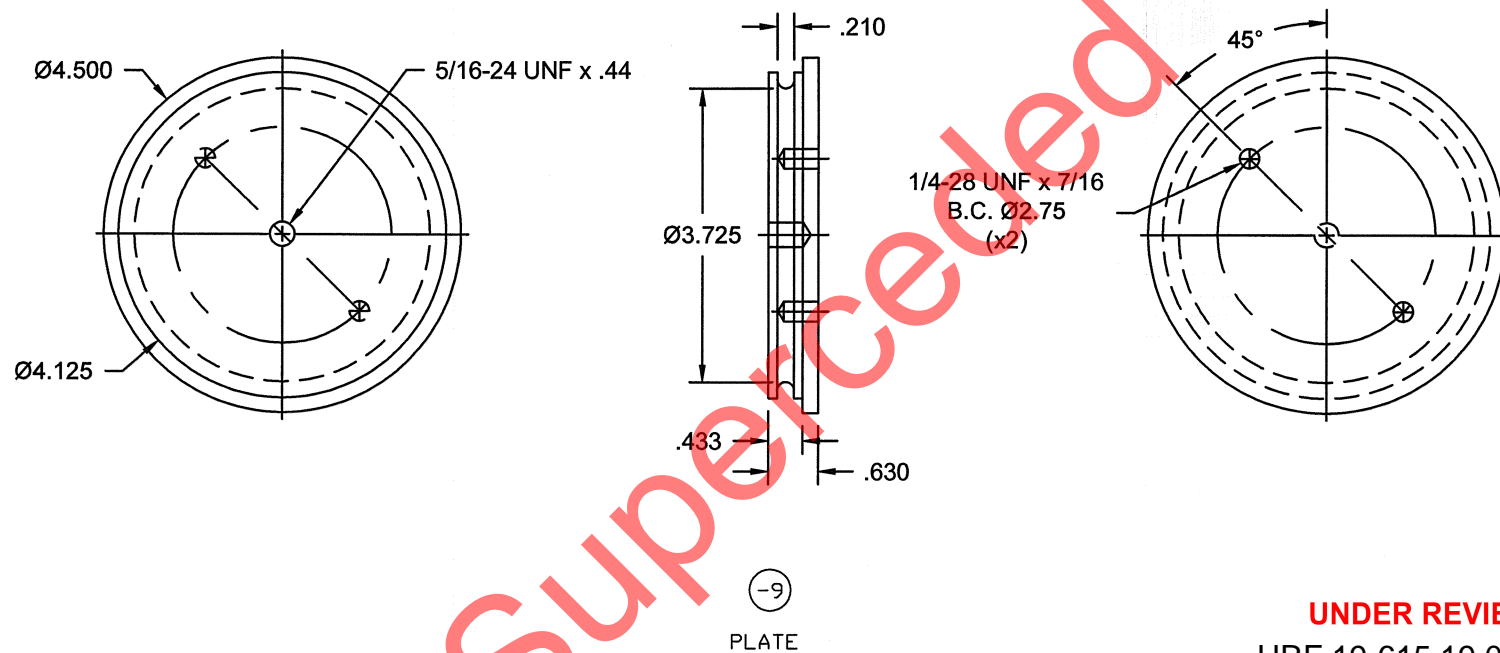


**UNDER REVIEW**  
URF 19-615 19.02.28 (KPT)

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> FUEL SUMP DRAIN TOOL	
<b>DWG NO.</b> RBE000-117-7	<b>REV</b> B
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: CLOUGH APPROVED: <i>PK [Signature]</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL EC145
<b>SCALE</b> NTS	<b>DATE</b> 6-24-10 <b>SHEET</b> 4 of 5

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



**UNDER REVIEW**  
URF 19-615 19.02.28 (KPT)

<b>RED BARN MACHINE</b>	
<b>TITLE</b> FUEL SUMP DRAIN TOOL	
<b>DWG NO.</b> RBE000-117-9	<b>REV</b> B
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>DRAWN BY:</b> CLOUGH <b>APPROVED</b> PK <i>[Signature]</i> <b>HEAT TREAT</b> <b>FINISH</b> ANODIZE CLEAR <b>SPEC</b> MIL-A-8625F, TYPE II, CLEAR II <b>USED ON MODEL</b> EC145
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b> NTS	<b>DATE</b> 6-24-10 <b>SHEET</b> 5 of 5